



BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Office of the Executive Engineer
Electrical Division, Dasarahalli Zone
Bruhat Bengaluru Mahanagara Palike

"DTS for Kind Approval"
Name of Work: Annual Maintenance of Street Lights Package D-4 ward No 15 T. Dasarahalli

Sl. No	Qty	Description of Work	Unit	Approved	
				In figures	In words
1	201	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches, Holders, Starters and switching ON/OFF of street lights at specified lining and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below i) Poles with 36/40 W fluorescent tube light street lighting system	Each	685 45	Rupees Six Hundred Eighty Five And Paise Forty Five Only
2	1097	Poles with 250W HPSV light street lighting system.	Each	1019 41	Rupees One Thousand Nineteen And Paise Forty One Only
3	36	Poles with 400 watts HPSV light street lighting system.	Each	1118 08	Rupees One Thousand One Hundred Eighteen And Paise Eight Only
4	1	Poles with 24 W LED light street lighting system	Each	880 01	Rupees Eight Hundred Eighty And Paise One Only
5	97	Poles with 65 W LED light street lighting system.	Each	1147 43	Rupees One Thousand One Hundred Forty Seven And Paise Forty Three Only
6	10	Poles with 90 W LED light street lighting system.	Each	1377 66	Rupees One Thousand Three Hundred Seventy Seven And Paise Sixty Six Only
7	15	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M S Box with proper insulation etc , complete	Each	3115 44	Rupees Three Thousand One Hundred Fifteen And Paise Forty Four Only
8	10	c) B Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer. Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/cooling of the pole 8 Mtr and above street light pole	Each	770 00	Rupees Seven Hundred Seventy Only
9	28	Moulded Case Circuit Breaker (MCCB) Three Pole 100amps 25kA	Each	2718 00	Rupees Two Thousand Seven Hundred Eighteen Only

10	27	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3 5 C Al/Ar / Cu/Ar Cable and branch out 2 5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets	Each	2054 00	Rupees Two Thousand Fifty Four Only
11	10	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application smart control system has hardware ruggedness over field Issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management 2 Precise lighting turnoff 3.Load ballancing 4 Load power regulation 5 Status tracking It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process 2) Communication unit: GSM/GPRS quad bandwith RS232 Interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	No	51500 00	Rupees Fifty One Thousand Five Hundred Only

" DTIS Approved "

[Signature]

ಮೇಧ್ಯ ಅಭಿಯಂತರರು

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

[Signature]
EXECUTIVE ENGINEER (ELEC)
BBMP, Dasarahalli Zone